

FOLIO

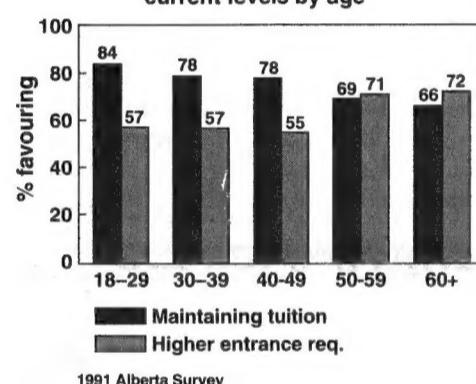
Report says Albertans strongly support University of Alberta

Additional funding for universities strongly backed

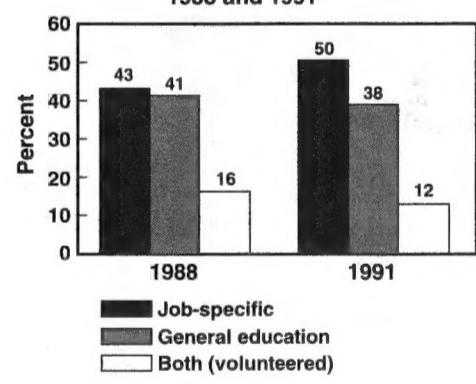
Even out of 10 Albertans surveyed say public funding for universities should increase, while only 23 percent believe universities should make do with the money they now receive.

According to the recently released 1991 University Education in Alberta: Public Opinion Trends report prepared by the

Support for higher entrance requirements and maintaining tuition at current levels by age



Preferences for general versus job-specific university education, 1988 and 1991



University's Population Research Laboratory, three-quarters of those who recommended additional funding said they would still be in favour if tax increases were necessary.

Laboratory Director Harvey Krahn (Sociology), who conducted the survey for the President, said last week the results indicate strongly that universities in this province are highly valued institutions. "Albertans value universities a great deal and they want their politicians to keep that in mind when they're [politicians] making decisions."

"It is clearly evident that public opinion has not shifted away from the belief that the provincial government should provide more funding for Alberta universities," Dr Krahn outlined, recalling that in a similar survey in 1988 64 percent supported increases.

The survey, which asked 1,345 randomly selected adults their views on a series of questions regarding universities, also indicated

strong support for keeping tuition fees close to current levels. "Only 18 percent of Albertans recommended an increase in tuition fees, while 78 percent stated that they would prefer that tuition fees be maintained close to their current level."

Dr Krahn said that while there is resistance to raising tuition fees substantially, a small majority of the survey respondents believe that the U of A's raising of entrance requirements from 65 percent high school average to 70 percent was an acceptable way to manage the number of students coming to the University. Almost 60 percent agreed with the policy, 20 percent agreed strongly, 24 percent disagreed and 13 percent were neutral on the question. Four percent did not answer.

On the issue of whether universities should be training students for specific jobs, or training them for more general broader education, 50 percent said job-specific training should be the primary goal of universities. Thirty-eight percent said universities' primary goal should be to provide general broader education.

Dr Krahn said the University already does a great deal of job-specific training, and unlike other industrialized countries, Canada does not provide as much on-the-job training for employees. The survey also indicated that respondents with university degrees tended to favour a general education (47 percent) over job-specific training (40 percent).

Other findings included:

- in the past two years, 61 percent of Edmonton respondents had been on the U of A campus for a variety of reasons;
- 51 percent considered the U of A to be an above average university in the country, while 48 percent said it was average;
- respondents in the two major cities were more enthusiastic about the possible offering of more evening and weekend courses than were other Albertans;
- 57 percent agreed with reserving spaces for aboriginal students;
- 74 percent agreed with reserving spaces for disabled students;
- and 49 percent agreed with the statement that foreign students in Alberta universities enhance the quality of education for all students.

Dr Krahn said the data is useful in a number of ways. It can help universities make their case to government. It can assist institutions in evaluating current policies. It also reminds the campus community just how vital it is to the city and the province, he said, pointing out that one of the surprises indicated by survey results was the extent to which interaction occurs between the U of A and the broader community.

Human rights officers explain how University deals with sexual harassment

What may be an appropriate remedy for one sexual harassment case may be totally inappropriate for another, Human Rights Officer Suzanne Anselmo said 23 October.

"That's why we feel it's important to put all the options before the complainant before any choices are made," said Anselmo, who, along with Fran Trehearne, director of the Office of Human Rights, was invited by the History Department to address the topic of sexual harassment at a brown-bag lunch.

"First and foremost, the way things are structured now, our office realizes that it is a client-driven process. The complainant has control over how the case will be handled," she explained. "If the complainant feels that he

or she does not wish to make a formal complaint, we respect that. We provide them with a variety of options," she said, adding that the advantages and disadvantages of each option are spelled out.

"Sexual harassment in many people's minds is a person with power who makes unwanted attentions to individuals without power. That can be a dimension of sexual harassment," she said. "But we're beginning to see situations where there have been relationships that end. Charges of harassment are then levied against one or the other parties."

"In other words, there is a broad spectrum of the types of harassment that exist on this

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Computer-assisted advising introduced by University

System will track students' requirements

Harnessing technology to serve University of Alberta students better. That's how Associate Registrar Hugh King describes the recently introduced computer system of student advising called STAR (STudent Advising Report).

The new computer software program, purchased from Miami University, Ohio, and developed in-house by the Registrar's Office and University Computing Systems to fit the U of A, will be used in conjunction with the University Calendar to plan students' programs.

The STAR system outlines a student's program on an ongoing basis and allows students to see what requirements are outstanding.

Piloted first in the three largest Faculties, and covering the BA General (AR20), BEd (ED 28) and BSc General (SC92), the new system can be used as a status report and help in determining a student's progress to date.

Registrar Brian Silzer said the new system will certainly reduce the numbers of students who have been ill-advised or who have found to their dismay that they haven't met the program requirements when they thought they had done so.

Randy Wimmer, in the Registrar's Information Systems Division, said the STAR system will complement the Calendar and

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Photo Services

Dan Eisenstein points out structural and geotechnical features of University Station to undergraduates and graduate students in civil engineering. The SLRT facility is the deepest station on the system at a depth of 23 metres.



Fred Stewart, Minister of Technology, Research and Telecommunications; Nancy Betkowski, Minister of Health; John Gogo, Minister of Advanced Education; Dean Martha Piper; and President Paul Davenport (left to right) had a snipping good time at the official reopening of Corbett Hall.

STAR system

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allow advisers in the various departments to concentrate on advising and relieve them of having to spend so much time interpreting the Calendar. The system will be able to provide students with information such as what courses they have that would be applicable to other programs.

According to Vice-President (Academic) John McDonald, many students start out in the three largest Faculties, discover the rich diversity of courses the University offers and decide to switch. So, there exists the possibility of mistakes, he said. This new system will help

students make those transitions with all the necessary information, he pointed out last week.

Students' Union Vice-President Academic Ian MacCormack welcomed the introduction of the system. This is an extremely positive move, he said, and we look forward to its expansion.

King said it will take two or three years before the system will encompass all degree programs. He estimated it has taken 2,500 work days to get the system up and running. The University paid \$15,000 US for the program, and pays an annual fee of \$1,500. It's expected that students in the three Faculties will receive STAR reports with their registration materials next March.

"Everyone that we've developed the report for to that point will receive a copy," said King. Students at any time will be able to walk into a Faculty office and say, "Where am I in my program?" and the advisers will be able to hand over a copy of the report in a matter of minutes.

In other related news, Silzer said the University Calendar is being rewritten in an effort to make it more user friendly. He said putting the STAR system in place has been an instructive process, one that has underscored the complexities students face in the registration process.

Everyone within the University has been a critic of the Calendar at one time or another, said Dr McDonald. One of the main reasons the Calendar is so complex is because of the large number of programs the University offers, he said. This system is a nice way of solving some of the problems and putting the University of Alberta on a more level playing field with smaller institutions.

FLU VACCINATION POSSIBLE THROUGH UNIVERSITY HEALTH SERVICES

Members of the University community who wish to be vaccinated against flu can do so by visiting University Health Services' drop-in clinic. It is necessary, however, to have a doctor's order before the vaccine can be administered. That service is also available at the clinic.

Vaccination is free for those in the high risk groups, for example, health care givers, adults with chronic health problems such as diabetes and asthma, and people over the age of 65. For those patients who don't qualify for a high risk group, a fee of \$3 will be charged.

University Health Services is open from 8:30 am to 4:30 pm.

Corbett Hall pleases all

University planners, Wood Gardener O'Neill O'Neil Architects Ltd, the contractor (Aman Building Corporation), and the tradespeople have done their work and turned the ball, er, hall, over to another set of professionals—faculty who instruct and research rehabilitation medicine.

Corbett Hall, fully restored and characterized by brightness and spaciousness, was officially reopened 17 October by Advanced Education Minister John Gogo, President Paul Davenport and Rehabilitation Medicine Dean Martha Piper. After congratulating those involved in the \$13 million project, the Minister turned to President Davenport and said, "Regardless of what *Maclean's* says, I think you're [the U of A] number 1." He also said the province had the highest participation rate in postsecondary education in the country.

President Davenport referred to the generosity of the provincial government and told the audience of staff, students, donors and members of the Corbett family, "Make no mistake, our faculty and students have earned this building." He pronounced Corbett Hall "worthy of the academic excellence they [faculty and students] have achieved." (This is the first time a Canadian university has designed and renovated an entire building to meet the educational and research needs of occupational therapists, physical therapists and speech language pathologists.)

"We want Corbett Hall to become a national showcase for the 'state-of-the-art' in rehabilitation education," Dean Piper says. Although the interior has been completely redone, traces of the original building remain. To gain extra space, the building has been slightly expanded into the interstices between the wings of its 'E' shape.

"When we looked at the building in detail," says architect Laura O'Neill, "we soon saw that it was really the exterior of the building which was special—there was very little inside worth saving. The bottom line for us was not doing everything as it was in the old building but rather reflecting the style of the exterior in the interior design. We tried to take clues from the character of the outside, bring them inside and then repeat them."

Through "Building for Tomorrow," its successful fundraising campaign, the Faculty has acquired the best equipment possible. It has also benefited from a number of contributions, including those of Apple Canada, Electromed Services and Hovis Medical Limited. Apple has equipped a computer laboratory, which will be dedicated to the use of computers by persons with disabilities; Hovis has donated a state-of-the-art power wheelchair; and Electromed Services will provide the Faculty a complete array of the most up-to-date electrotherapy equipment available (valued at more than \$200,000) and for five years will replace it yearly to ensure that students will always be working with the newest equipment available in the marketplace.

Mere hours after the official reopening, a conference called "The Outcome Measures Conference" opened and continued until noon on the 19th. The results of projects funded by NHRDP (National Health Research and Development Program) were presented by clinicians and researchers from across Canada. The conference also attracted two researchers from Oxford University and two from the University of Washington. The conference's 250 registrants were, not surprisingly, given tours of Corbett Hall.

World Bank program brings Indonesian physical therapists to campus

Among those who busying themselves in Corbett Hall's classrooms and labs are five physical therapists from Indonesia. They're here under the auspices of a Fellowship Training Program sponsored by the World Bank.

The Faculty of Rehabilitation Medicine has two CIDA-linked projects on the go and the program is a spinoff of those arrangements, says Joan Loomis (Physical Therapy).

The Indonesian students arrived in mid-September and will be here until mid-December when they return home to resume their careers as physical therapy instructors. (The World Bank program has also placed four Indonesian nurses at Grant MacEwan Community College where they are studying psychiatric nursing.) They're taking four hours of lectures/labs each morning and tutorials each afternoon, improving their English language competency all the while. A barrier, albeit a small one, is that we're teaching them in their second language, Loomis says. Instructors are helped by two factors: the students took a crash course in English in Jakarta during the summer and they're very supportive of each other. At least one person in the group will grasp the essence of a particular problem and quickly convey it to the others, Loomis has observed.

She believes the students were selected because of the positions they hold in



Indonesian physical therapists Anshar, Kayun Sari, John Suharyono and Mustari Gani (left to right) practice electrotherapy techniques on "patient" Anwar Sarman.

Indonesia. "I'm sure they're under considerable pressure to make the most of this opportunity and spread the [physical therapy] gospel when they return." In Indonesia there are about 800 physical therapists for a population of 180,000,000; in sharp contrast, Canada has 10,000 physical therapists for 26,000,000 million people, Loomis explains.

The program was designed especially for the Indonesians and is run like a continuing education program. The primary facets are electrotherapy, neurology, musculoskeletal assessment and treatment procedures and clinical education. The three instructors are clinical associates who are involved in the Department of Physical Therapy's clinical practicums and the six tutors are fourth-year physical therapy students.

Loomis says that, by and large, people who participate in programs of this nature acquire knowledge and information but not problem-solving skills. The Department of Physical Therapy, while covering a lot of ground in the 13-week program, is not overlooking the instilling of those skills, she says.

FOLIO

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Display advertisements: 3 pm Thursday, eight days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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University
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All complimentary books, computer disks, etc that are for University purposes only may be imported GST exempt. The supplier must state on the invoice "No Charge to Consignee - Gift." A value must be shown for customs purposes for each item. Please advise your suppliers.

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When you receive a shipment through the mail from outside Canada, a yellow E14-2 Customs Advise Notice is attached to the parcel. Please forward the E14-2 along with the commercial invoice, showing your account number, to Customs and Transportation, Materials Management, for processing. Failure to follow this procedure will result in the withdrawal of immediate release privileges on all future University shipments from Customs and Excise.

Personal shipments are to be addressed to the individual's home address.

For more information, telephone Linda Hilts, 492-4638, or Dianne Herbert, 492-3435, Customs and Transportation and GST Unit, Purchasing Division, Materials Management.

Canadian Polar Commission has University of Alberta representation *Gerald Lock optimistic about its future*

University of Alberta Engineering Professor has been appointed to the Canadian Circumpolar Commission, recently established by the federal government to promote the development and dissemination of knowledge about polar regions and to advise the



Gerald Lock is optimistic the new Commission can raise the profile of northern issues. His door, he says, is open to northerners on campus who want to share their ideas.

Minister of Indian Affairs and Northern Development.

Gerald Lock (Mechanical Engineering) has been appointed for a three-year term. Chairing the Commission will be Whit Fraser, a former broadcast journalist who spent more than a decade in the North reporting on northern issues for the CBC National. More recently, Fraser was host of the CBC Newsworld show "This Country."

Dr Lock, who has extensive interests in the study of ice, interdisciplinary studies and construction techniques in polar regions, said Commission members will meet this month in Yellowknife. "And I'd be very disappointed if directors came armed with their own agendas," he said, adding that it's essential the Commission consult far and wide on northern issues.

"I see an enormous number of problems related to northern issues that are so complicated, that the more heads we can bring to bear on the problems the better," Dr Lock said. Although he sees no specific role for the University of Alberta to play, he wants all Canadian universities to work with the Commission to help it fulfil its educative function.

One of the Commission's roles is to promote the development of knowledge about polar regions in Canada. "University researchers have a special responsibility to continue to promote a dialogue between the North and South. To its credit, this University has done that," Dr Lock said, noting the large concentrations of northerners on campus. "The people who are going to make this Commission work are already in place right across the country."

Successive federal governments, however, have not always demonstrated consistent and genuine commitments to supporting northern research. Asked about this issue, Dr Lock said the government did listen to a one-person commission which recommended to then DIAND Minister Bill McKnight the establishment of such a Commission. "They've listened

to what people said, they've given the Commission a budget to do its work, so I have to read it as a positive step."

Steven Bigras, acting chief of scientific affairs, Department of Indian Affairs and Northern Development, told *Folio* the Commission has an approximate budget of \$1.1 million for this year. He cautioned that the Commission is not another granting council.

The Commission will try to coordinate and manage overall polar research, he said. At their 18 to 20 November meeting in Yellowknife,

"University researchers have a special responsibility to continue to promote a dialogue between the North and South.

To its credit, this University has done that."

Gerald Lock

Commission members will attempt to set some priorities. Asked how universities will relate to the Commission, Bigras said the matter will likely be discussed at the meeting.

Vice-chairs of the Commission for three-year terms are: Doug Heyland, executive director of the Science Institute of the Northwest Territories, and Louise Filion, director of the Centre d'études nordiques of Laval University.

Others appointed to the Commission are: Margaret Boone, Lakehead University; Marc Beaudry, Winnipeg; Montague Alford, Whitehorse; Marc-Adelard Tremblay, retired anthropology professor; George Miller, vice-president of Nova Corporation; Lloyd Barber, former president of the University of Regina; John Stager, Vancouver; and Elizabeth Apak Rose, a member of the Inuit Broadcasting Corporation.

Public service strike about pay equity, Ethel Blondin says

"As far as I was concerned, the public service strike was all about pay equity," the MP for the Western Arctic said at the Conversations Among Friends: Women and Constitutional Reform conference held 25 and 26 October.

Ethel Blondin said, "It really was about a human rights issue. I was there when the 30,000 members [of the Public Service Alliance of Canada] marched on the hill, and I looked for the radicalism that was being spoken of. I looked at the faces of those union employees and did not see rich or unreasonable people.

"I saw Canadians, the majority of whom were women, and a majority of whom are earning below \$26,000 per year. Most of those are women with children and many of those

are single parents," the Liberal MP told a full University Hall Council Chamber.

Pay equity means people are doing work of equal value, she explained. Quite different jobs should get the same pay when skills, effort, responsibility and working conditions are the same. And although this is quite difficult for some people to comprehend, it has nevertheless been law [in the federal public civil service] since 1977.

But as the Human Rights Commissioner, Max Yalden, said during the strike, 'Government talks a lot about pay equity, but when the chips are down, it is not prepared to do what it said it would do', said the Dene MP, who once worked in the federal public service.

Sexual harassment

continued from page 1
campus," she said. "And that's why the intake process of the Office of Human Rights is so important, because each harassment case has a variety of different dimensions to it."

Anselmo said the Office has developed in-house access to information procedures to guarantee confidentiality. The information is not accessible to anyone other than the complainant, and complainants must give the Office express permission to discuss the case outside the Office. "In fact, we have complainants sign a letter of release stipulating which individuals they wish the case to be discussed with."

"That letter of release not only illustrates client control, but that we take the issue of confidentiality and controlled release of information very seriously," she explained.

"If it is client-driven, and the client chooses not to bring a complaint forward, we must respect what the client has chosen to do. That sometimes presents some difficulty in cases

where we have seen examples of serious infractions of the law. But again because of the client-driven process, we do not have the powers to investigate, and we do not have the powers to bring that complaint forward, unless it is a clear and present danger to the University community. Then we have that allowance to discuss the matter with Campus Security."

Trehearne said that in the first six months of the year the Office received approximately 20 complaints of sexual harassment.

Legally, sexual harassment in Canada is a violation of human rights legislation; it has been interpreted as such by the courts for at least 10 years, Trehearne explained. And in this province, it is a violation of The Individual Rights Protection Act, specifically a case of discrimination based on gender.

Since 1987, following the Robichaud Case which was decided by the Supreme Court of Canada, liabilities have been extended to include employers. This has tremendous implications for institutions such as universities, said Trehearne.

Value of Students' Research Day lasts much longer than 24 hours

The 24th Annual Students' Research Day held in the Faculty of Medicine last month featured oral presentations by 22 students from the Faculties of Medicine and Science.

The external judge was Eliot Phillipson, a U of A alumnus and currently Physician-in-Chief and Professor at Mount Sinai Hospital in Toronto. Dr Phillipson was also the Medical Students' Association's Distinguished Speaker (sponsored by the Medical Alumni Association).

Six prizes valued at \$300 each for the best oral presentations were awarded through the generosity of the Medical Alumni Association. The first three recipients will present their work at an international student research forum in Galveston, Texas, in April 1992. The six winners this year are: Gregory Hrynyshyn (Medicine), ("Incidence, Complexity, and Severity of Disability Among Very-Low-Birth Weight Survivors of Neonatal Intensive Care: A Comparative Study"); Phong Nguyen-Ho (Science), ("Retrograde Axonal Transport or

Axonal Diffusion May Carry Putative Signals Associated With Axotomy to Initiate Nerve Regeneration"); George Sheppard (Science), ("Nerve Regeneration in Rat Tibialis is Dependent on Intramuscular Nerve Sheath"); Betty Chen (Science), ("Identification of T Cell Recognition Sites on Pili - Towards a Synthetic Vaccine Against *Pseudomonas Aeruginosa*"); Peter Lown (Science), ("Augmentation of Superoxide Dismutase Levels in Neutrophils by Liposomes Decreases Superoxide Anion Production"); and Danny Straathof (Medicine), ("The Effects of Long Term 2,6-Diaminopurine -2',3'-Dideoxyriboside Treatment on Chronic Hepatitis B Infection in Ducks").

Heidi Klix (Science) was judged to have presented the best abstract. She was awarded a \$100 prize. Prizes of \$150 each were awarded to the top four poster presentations. The recipients were: James Fabian (Medicine), John Neary (Medicine), Lawrence Richer (Science), and Jessica Rieder (Medicine).

CURRENTS

SPECIAL GENERAL FACULTIES COUNCIL MEETING

There will be a special meeting of General Faculties Council and the Board of Governors on **Monday, 4 November, at 2 pm** in the University Hall Council Chamber.

INFORMATION SESSION FOR APOs

Topic: Special Funds and Research Accounting, Office of the Comptroller. **Date:** Wednesday, 13 November. **Time:** 10:30 am to noon. **Location:** 2-1D University Hall (Council Chamber). **Presenters:** Louis Jamernik, Associate Vice-President and Comptroller (Introduction); Don Jorgensen, Manager; Nancy Wollner, APO (Arts); Jocelyn Groleau, APO (Endowment); Sharlene Coss, APO (Health); Gail Sledz, APO (Science). **Fee:** There is no registration fee, but a contribution (optional)

of \$1 (payable at door) toward coffee will be appreciated. **Registration deadline:** 11 November. Note: Although this session is directed primarily at APOs, all departmental administrators and others who deal with trust accounts are urged to attend.

MATERIALS MANAGEMENT ORIENTATION SESSIONS

The Department of Materials Management will be conducting Orientation Sessions for its client departments on campus. Sessions will focus on the services offered by Materials Management. We also hope to gain insight from our clients as to how we can best serve their needs.

Ninety minute sessions have been scheduled at Lister Hall (Map Room) on:

Tuesday, 5 November, 9 am
Wednesday, 6 November, 1:30 pm
Thursday, 7 November, 9 am

If you are interested in attending one of these sessions please call 492-5438.

L'viv University, University of Alberta renew exchange agreement

Ivan Vakarchuk, Rector of L'viv State University, says some ideas he's taking home from his visit to the University of Alberta can be applied to the large-scale changes under way at his institution.

Rector Vakarchuk, who spent a week visiting campus and Edmonton's Ukrainian community, said he was impressed by the Library's computer system and that his knowledge of it can help L'viv's library staff as they work to install a similar system. He anticipates further gains for L'viv University through exchanges with units such as the Canadian Institute of Ukrainian Studies and the Department of Slavic and East European Studies. The focus, as detailed in an agreement Rector Vakarchuk and President Paul Davenport signed 25 October, will be on the humanities, with some exchanges in the hard sciences.

L'viv University and the University of Alberta signed an exchange agreement in 1988; the meeting of the two presidents served to renew that agreement, to, in Rector Vakarchuk's words, "make it more valuable and deeper, especially in the humanities."

L'viv, Ukraine's oldest university, was founded some 330 years ago. It is located in Western Ukraine, about 60 km from the Polish border. It has 4,000 students, 1,000 professors and lecturers, 90 departments and 13 Faculties. Two more Faculties—Philosophy and International Relations—are to open soon.

As a result of political change, a great deal of reform is taking place on campus, particularly in the humanities, Rector Vakarchuk says. He, in fact, is part of the change, having been elected Rector one year ago. (The Rector is elected by staff and students and serves a four-year term. He/she can then be reelected for one more term. L'viv University has complete autonomy; the Minister of Education only ratifies the decision.)

The major reform, he says, concerns the removal of the influences of Marxist-Leninist ideology that had been applied in an artificial way. As for Ukraine itself, there's a feeling of hope, determination and confidence about the establishment of statehood. "People understand that we've gone past the time for mass meetings and demonstrations and that it's time to get down to work."

"People understand that everything is in their hands and that they can't depend on Western aid but must rely on mutually beneficial relations with other countries. Any mistakes now can't be blamed on Moscow but on ourselves."

A physicist, Rector Vakarchuk says he was involved solely in scholarly pursuits until three years ago. He says he misses his quantum mechanics formulas ("they're much easier to deal with") but takes great satisfaction in participating in building a state.

CAMPUS REVIEWS

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the **School of Native Studies** is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee on 13, 14 and 15

November. In preparation for this second phase, PACCR invites written comment prior to 13 November. Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs Pat Tomlinson, PACCR Office, 101 Industrial Design Studio, Attention: School of Native Studies Unit Review Committee.

Many people suffer from historical amnesia, says engineering ethicist *Challenges engineers to set the record straight*



Margaret Maxey: Only dead fish swim with the current.

There are no simple solutions for solving environmental challenges facing the Earth, but we must begin to do the right thing for the right reasons, says a bioethics professor in the Biomedical Engineering Program at the College of Engineering, University of Texas.

Margaret Maxey, who was the first speaker supported by the Ernest E and Gertrude Poole Chair in Management for Engineers, said 24 October that "the right thing for the wrong reasons—that is the greatest treason."

"I think that what we are trying to pursue in our society today is a quality of life, a level of safety, health and well-being, and a level of environmental protection that will preserve for future generations a legacy for which we can all take pride," said the President of the National Institute of Engineering Ethics in the United States.

But what is happening is that there is a conflict between two totally different ways of seeing the world, she said. And those two

ways of seeing the world will dictate the kinds of ethics and decisions we want to make as a society. The "catastrophists" argue that nature exists in a fragile, precarious balance and the preservation ideal requires people do not touch. "Hand in hand with these ideas is that modern technology can cause global destruction."

The stereotype says that greedy businessmen and engineers are destroying the planet because of their myopia. "They're either crooks, clowns or conmen." But, said Dr Maxey, in an animated presentation to a packed audience of engineering students and faculty, it is ludicrous to claim that Mother Nature is noncarcinogenic.

She pointed out that the entire US regulatory system is predicated on the belief that there are no safe doses or safe exposures to toxic substances. "The idea that Mother Nature is benign and benevolent is a crock," she said, citing a number of natural catastrophes which have had much more severe environmental impacts on the Earth than humankind's activities. "But we don't make comparisons."

In her talk titled "Engineering and Ecology: Is there an Ethical Connection?", Dr Maxey said other people argue that our lives are worse off because of technological innovation. "I know that we've got a problem with the automobile and I can't wait to buy an electric automobile ...because it is silent, nonpolluting, versatile and I can plug it in at night. Many people suffer from historical amnesia," she said, pointing out that humankind has in the past overcome the problems resulting from technological innovation.

Speakers outline why women should care about constitutional reform *Women and Constitutional Reform conference draws participants from across the country*

Women need to be involved in this round of constitutional reform to protect what they've already gained, Anne McLellan (Law) told the Conversations Among Friends: Women and Constitutional Reform conference held 25 and 26 October. "We need to be alert to the possibility that changes may limit the statutory gains women have already made."

A member of a panel which discussed why women should care about constitutional reform, Professor McLellan said women should be alarmed about the decentralized proposals now on the table and the implications they may have for the establishment of, for example, a national daycare program.

The Law Professor noted that the inclusion of property rights in the Constitution is also cause for concern. "As a group within

society, women don't have much property," she said, noting that women have counted on the state to redistribute property.

This time around women must discuss more equitable representation in some of the country's federal institutions, she said. Women may have gained some power in 1982, but the agenda remains largely unfulfilled.

Professor McLellan asked if women aren't involved, who will represent them? "Historically, constitution making has been dominated by men," she pointed out, adding that that isn't to say men can't be allies in the process. Furthermore, she said, some women are more able to speak out than other less empowered women, so women in good jobs or in tenured university positions need to consult with the less empowered women in society.



Presidents Davenport (left) and Vakarchuk put pen to paper.

TALKS

ACCOUNTING

8 November, 2 pm

Izak Benbasat, University of British Columbia, "Adoption of Information Technologies by End-Users: Theory, Instrument Development and Empirical Research." B-05 Business Building.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

5 November, noon

Jack Diamond, professor and head, Division of Neuroscience, McMaster University, "NGF, Plasticity, and Regeneration in the Adult Nervous System." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

5 November, 4 pm

Craig C Garner, research group leader, Center for Molecular Neurobiology, University of Hamburg, "Neuronal Cytoskeletal Proteins: MAPs, SAPs and Dendritic mRNAs." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

5 November, 3 pm

Borys Gudziak, Committee on Byzantine and Slavic Studies, Harvard University, "The Kiev Metropolitanate and the Constantinople Patriarchate in the Sixteenth Century." Heritage Lounge, Athabasca Hall.

8 November, 7:30 pm

Iaroslav Hrytsak, Institute of Social Sciences, Ukrainian Academy of Sciences, Lviv, "Ivan Franko and the Idea of the Political Independence of Ukraine." Heritage Lounge, Athabasca Hall.

CANADIAN MEDITERRANEAN INSTITUTE

14 November, 7:30 pm

Alex Hawkins, "Ancient Greek Theatre Performance." Archives Room, Provincial Museum.

CENTRE FOR INTERNATIONAL EDUCATION AND DEVELOPMENT

6 November, noon

Kradiga Safwat, executive director, Middle East and African Research Centre, Wales University College, Swansea, Wales, "From Tribe to State: The Sudanese Case." 5-180 Education North.

8 November, noon

Dr Safwat, "Feminism, Cheap Labour and Capital Accumulation." 5-180 Education North.

12 November, noon

Dr Safwat, "Global Interdependence, the State and the African Crisis." 5-180 Education North.

CHEMICAL ENGINEERING

7 November, 3 pm

GX Chen, "Improving Sieve Tray Performance with Mesh Packing." 342 Chemical-Mineral Engineering Building.

14 November, 3 pm

V Maniar, "Multivariable Adaptive Generalized Predictive Control." 342 Chemical-Mineral Engineering Building.

CLOTHING AND TEXTILES

7 November, 1 pm

Nancy Kerr and Jane Batcheller, "Degradation of Polyurethanes in Twentieth Century Museum Textiles." 131 Home Economics Building.

14 November, 1 pm

Nicki Prince, "Carrier and Coast Salish Dress in British Columbia." 131 Home Economics Building.

COMPUTING SCIENCE

12 November, 3:30 pm

Nazim H Madhavji, McGill University, "A Framework for Process Evolution." 619 General Services Building.

EDUCATION

14 November, 3:30 pm

Antoinette Oberg, professor, Faculty of Education, University of Victoria, "Teacher Education: Past and Future." Map Room, Lister Hall.

ENTOMOLOGY

7 November, 4 pm

HV Danks, Biological Survey of Canada, Canadian Museum of Nature, "Fundamental Values and Modern Problems of Collections." TBW-1 Tory Breezeway.

14 November, 4 pm

Jari K Niemelä, University of Helsinki, "Europeans Invading Alberta: Distribution and Community Effects of the Exotic Ground-Beetle Pterostichus Melanarius (III)." TBW-1 Tory Breezeway.

FAMILY STUDIES

7 November, 12:30 pm

Serena Leung, "The Role of Attributions in Marital Relationships: An Experimental Analysis." 3-57 Assiniboia Hall.

FOREST SCIENCE

6 November, noon

S Sidhu, Forestry Canada, "A Five-Year Scenario in Vegetation Management in a Mixedwood Cutover." 849 General Services Building.

And again in 1987, opting out provisions included in a proposed national child care program were criticized by women outside Quebec, but were not feared by women within Quebec who felt they were ahead of the rest of the country on the child care issue.

Busque pointed out that women outside Quebec do not have to deal with the issue of sovereignty. In Quebec some women's groups have come out in favour of sovereignty, while others have refused to take a position, fearing they will be linked to a particular political party or the loss of federal funding.

"Our country has had many fathers and no mothers. We're not present in the corridors of power," she said, adding that there is now a notable lack of women's participation in the process of constitutional reform. "We have to be vigilant because we are the only ones who can defend our interests," Busque told the well-attended conference sponsored by the Centre for Constitutional Studies.

13 November, noon

Nikita Lopoukhine, Canadian Parks Service, Ottawa, "The Management of Vegetation in National Parks." 849 General Services Building.

GEOGRAPHY

1 November, 3 pm

Bob Vance, Geological Survey of Canada, Calgary, "Paleobotanical Record of Holocene Drought Frequency in Southern Alberta." 3-36 Tory Building.

8 November, 3 pm

Fran Hein, Department of Geology and Geophysics, University of Calgary, "Mass Flow Sedimentation: Baffin Island Fjords." 3-70 Tory Building.

HEALTH LAW INSTITUTE

2 November, 9 am

Mark Addison, medical director, Bethany Care Centre, Calgary; Glenn Griener and Gerald Robertson, "Living Wills." 231/237 Law Centre.

HISTORY

8 November, 3 pm

Brian McKercher, Department of History, Royal Military College of Canada, "Problems of Restraints on War and National Sovereignty: Arms Limitations and Disarmament, 1899-1939." 2-58 Tory Building.

INTERNATIONAL CENTRE

6 November, noon

"Controlling Interest", video, 1978. 172 HUB International.

7 November, 7:30 pm

Khadiga Safwat, executive director, Middle East and African Research Centre, Wales University College, Swansea, Wales, "The Gulf War and its Impact on the Environment in the Middle East." Cosponsor: Muslim Research Foundation, British Council, and the Centre for International Education and Development. TBW-2 Tory Breezeway.

13 November, noon

"The Debt Games: Who Owes Whom?" Video. 172 HUB International.

LIMNOLOGY AND FISHERIES

DISCUSSION GROUP

7 November, 12:30 pm

Charles Holmes, "Okadaic Acid and Related Marine Toxins, New Probes for the Study of Cellular Regulations." M-149 Biological Sciences Centre.

14 November, 12:30 pm

Sharon Reedyk, "Spring Melt Water Balance of a Subarctic Stream: Impact of Groundwater Icings." M-149 Biological Sciences Centre.

LITERARY THEORY SERIES

12 November, 3:30 pm

Nasrin Rahimieh, "Magical Realism in Iran: The Submarinians by Munir Ravanipour." 5-20 Humanities Centre.

MARKETING AND ECONOMIC ANALYSIS

1 November, 3:30 pm

Robert Forsythe, professor of economics, University of Iowa, "Anatomy of a Market." 4-16 Business Building.

MUSIC

14 November, 3:30 pm

Jolanta Pekacz, "Musical Subjects in French Painting of the Romantic Period." 2-32 Fine Arts Building.

POLITICAL SCIENCE

6 November, 4 pm

Bernard Grofman, University of California at Irvine, "Legal and Philosophical Perspectives on Political Representation." 10-4 Tory Building.

PSYCHOLOGY

2 November, 9:30 am

The Sixth Annual Joseph R Royce Research Conference. Keynote speaker will be Doug Wahlsten, "The Intelligence of Heritability." P-213 Biological Sciences Centre.

RELIGIOUS STUDIES

6 November, 3:30 pm

M ElShoush, "The Religious Basis of Authority in Pre-Islamic Arabia." Senate Chamber, Arts Building.

13 November, 3:30 pm

Jim Forrest, "Milton's Concept of Jesus." Senate Chamber, Arts Building.

RESEARCH SEMINARS IN EARLY WOMEN

4 November, noon

Deborah McLeod, "The Female Quixote and Samuel Johnson: Distinguishing Styles." 5-20 Humanities Centre.

SCOOOL OF LIBRARY AND INFORMATION STUDIES

13 November, noon

Margaret Mackey, "Adolescent Readers: Developing Complex Insights." 3-01 Rutherford South.

SLAVIC AND EAST EUROPEAN STUDIES

4 November, 3 pm

Heiko Schlieper, iconographer, "The Prophet Motif." 141 Arts Building.

SOIL SCIENCE

7 November, 12:30 pm

NW Rutter, "Climatic Interpretation of the Baoji Loess-Paleosol Sequence, North Central China." 2-36 Earth Sciences Building.

UNIVERSITY TEACHING SERVICES

4 November, 2:30 pm

Randy Troppmann, "Making 35mm Slides Using Computer Technology." 349 CAB.

5 November, 12:30 pm

Roberta McKay and Pat Rowell, "Using Journals: A Window on Your Teaching and Your Students' Learning." 349 CAB.

6 November, 3 pm

Barbara Coleman, Alfred Fisher, and Lyndal Osborne, "Studio Teaching." Heritage Lounge, Athabasca Hall.

7 November, 3:30 pm

Arthur Low, Domain Systems Research Corporation, "Learning with Mathematica: A System for Doing Mathematics by Computer." 349 CAB.

WOMEN'S PROGRAM, FACULTY OF EXTENSION

5 November, 7:30 pm

Documentary film, "The Famine Within," explores the contemporary obsession with body size and shape among North American women. Cosponsor: National Film Board. TL-11 Tory Building.

WOMEN'S STUDIES PROGRAM

7 November, 3:30 pm

Stephen Peitchinis, Economics Department, University of Calgary, "Employment Discrimination", a part of the Contemporary Cultural Issues Series. Senate Chamber, Arts Building.

13 November, 4 pm

Lillian MacPherson, "Women and Jurisprudence", a part of the Women's Speaker Series. 4-29 Humanities Centre.

ZOOLOGY

1 November, 3:30 pm

Stan Boutin, "Female Behavioural and Reproductive Strategies in Mammals: What to Do With the Kids." M-149 Biological Sciences Centre.

8 November, noon

Riita Salvolainen, "Comparative Ecology of Slave-Making Ants." G-208 Biological Sciences Centre.

8 November, 3:30 pm

Andrew Blaustein, Department of Zoology, Oregon State University, "Kin Recognition in Anurans: Ontogeny, Ecology and Evolution." M-149 Biological Sciences Centre.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.

Jill Vickers, a political scientist from Carleton University in Ottawa, said it's important which level of government has jurisdiction over services women depend on. Women aren't related to the state in the same way men are and are less mobile than men.

She pointed out that institutions are structured geographically, yet women are dispersed geographically throughout the country. The reality, she said, is that as consumers of government services, most women must be more related to the state than are men. She said the issue in the late 1970s of which level of government would have jurisdiction over divorce was extremely important to women.

Ginette Busque, Eastern Vice-President of the Canadian Advisory Council on the Status of Women, said women outside Quebec wanted the jurisdiction over divorce to remain with the federal government, while women in Quebec favoured provincial jurisdiction and saw it as an opportunity to harmonize the issue with civil code reform.

EVENTS

EXHIBITIONS

ART AND DESIGN

Until 15 November

"Industrial Design 'Results'"—an exhibition of work of former students in Art and Design's Industrial Design. Gallery hours: Monday to Friday, 8:14 am to 4:30 pm. The Beaver House Gallery, 3rd Floor, 10158 103 Street.

CLASSICS

Until 13 November

"The University of Alberta in Italy: Archaeological Fieldwork at Roccagloriosa (1982-1990)." Foyer, Rutherford Library South.

FAB GALLERY

Until 3 November

"3:16 An Exhibit of Calligraphy"—outstanding calligraphers from over 20 countries illustrate the Bible.

Until 3 November

"Sidsel Naess Bradley—The Pillar Series"—the final visual presentation in partial fulfillment of the requirements of MVA. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

MUSIC

DEPARTMENT OF MUSIC

2 November, 7 pm

Paul Badura-Skoda—Chamber Music Masterclass.

3 November, 1:30 pm

Visiting Artist Masterclass—Frederick Hemke, saxophonist.

3 November, 8 pm

Eva Badura-Skoda—Lecture.

4 November, 7 pm

Panel discussion—Paul Badura-Skoda, Eva Badura-Skoda, Helmut Brauss, and Richard Troeger.

8 November, 8 pm

Nicholas Arthur Kilburn Memorial Concert—Kaaren Erickson, soprano. Admission: \$7/adults, \$5/students and seniors.

9 November, 2 pm

Visiting Artist Masterclass—Kaaren Erickson, soprano.

All events take place in Convocation Hall, Arts Building.

EDMONTON CHAMBER MUSIC SOCIETY

6 November, 8 pm

"Tokyo String Quartet." Tickets available from The Gramophone, 10020 101A Street, 428-2356. Myer Horowitz Theatre.

SPORTS

BASKETBALL

7 November, 7:30 pm

Golden Bear Invitational

8 and November, 8:15 pm

Golden Bear Invitational

HOCKEY

7 November, 7:30 pm

Bears vs Calgary

8 and 9 November, 7:30 pm

Bears vs Saskatchewan

Call 492-BEAR/492-2327 or the "Talking Yellow Pages" at 493-9000, code 3250, for more information.

THEATRE

STUDIO THEATRE

7 to 16 November

"Newhouse" by Richard Rose and DD Kugler. Directed by Carl Hare. Tickets and information: 492-2495. Myer Horowitz Theatre, SUB.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

ACADEMIC

ASSISTANT MYCOLOGIST

An assistant mycologist is required at the University of Alberta Microfungus Collection and Herbarium (UAMH). Under a contract continuing for two years, the incumbent will fulfil the requirements of the contract (primarily distribution of cultures), provide support for, or conduct, research on systematics of microfungi, and perform curatorial tasks related to culture collection maintenance. Candidates should demonstrate knowledge of fungus identification and pure culture techniques, work with a high degree of accuracy and show good organizational skills. Computer literacy, and collections-related experience would be assets. The position could be filled at the master's or PhD level or provide postdoctoral training. Salary range, \$14.12 - \$16.15/hour. One of Canada's foremost culture collections, the UAMH provides excellent working conditions at the scenic Devonian Botanic Garden. The Garden is located 25 km from campus and is not accessible by public transport; nor is transportation provided. Deadline for applications is 31 December 1991. Apply by sending a *curriculum vitae* or résumé and the names of three referees to: Lynne Sigler, Curator, U of A Microfungus Collection, Devonian Botanic Garden, Edmonton, Alberta T6G 2E1. Tel: (403) 987-3054, FAX 987-4141.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 25 October 1991. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 25 October 1991.

The limited number of vacancies is a result of the current Support Staff hiring freeze.

Applications for regular operating budget funded University positions (both full-time and part-time) are initially restricted to current bargaining unit employees. This is due to the current hiring freeze. Applications may be accepted from external applicants for some positions after internal staffing has been explored.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.

OFFICE SERVICES FILE CLERK (Grade 2), Office of the Registrar, (\$1,363 - \$1,680)

CLERK STENO (Grade 4), Educational Administration, (\$1,633 - \$2,013)

CLERK TYPIST (Grade 5), Physical Plant (Parking Operations), (\$1,784 - \$2,210)

CLERK STENO (Grade 5), Geography, (\$1,784 - \$2,210)

CLERK STENO (Grade 5) (Full-time/Recurring Term), Physics, (\$1,784 - \$2,210)

SECRETARY (Grade 5), Faculty of Home Economics, (\$1,784 - \$2,210)

ACCOUNTS CLERK (Grade 5), Office of the Comptroller (Special Funds and Research Accounting - Science), (\$1,784 - \$2,210)

DEPARTMENTAL/EXECUTIVE SECRETARY (Grade 6), Physics, (\$1,952 - \$2,433)

DEPARTMENTAL/EXECUTIVE SECRETARY (Grade 7), Mining, Metallurgical and Petroleum Engineering, (\$2,125 - \$2,663)

FOOD SERVICE ASSISTANT (Grade 1) (Part-time/Recurring Term), Housing and Food Services, (\$901 - \$1,111), prorated

FOOD SERVICE WORKER (Grill Cook) (Grade 2) (Part-time/Recurring Term), Housing and Food Services, (\$1,246 - \$1,537), prorated

FOOD SERVICE WORKER (Grill Cook) (Grade 2) (40 Hr/Wk), Housing and Food Services, (\$1,558 - \$1,921)

ADMINISTRATIVE ASSISTANT (Grade 7) (Term to 31 August 1992), University Computing Systems, (\$2,125 - \$2,663)

AUDIO VIDEO TECHNICIAN (Grade 7), Instructional Technology Centre, (\$2,125 - \$2,663)

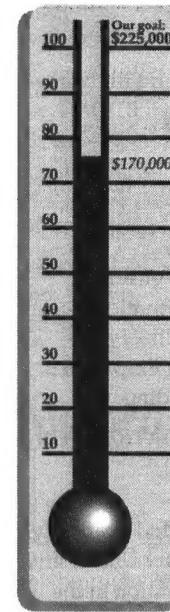
TECHNOLOGIST (Grade 11), Civil Engineering, (\$2,867 - \$3,679)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

FINANCIAL RECORDS CLERK (Half-time/Trust), Biochemistry, (\$675 - \$839) (prorated)

LABORATORY ASSISTANT III/TECHNICIAN I (Part-time/Hourly) (Trust), Pediatrics, (\$9.92 - \$14.73/hr)

BIOCHEMISTRY TECHNICIAN II/BIOCHEMISTRY TECHNOLOGIST I (Trust/Term to 31 October 1992), Biochemistry, (\$1,973 - \$2,765)



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